

Entire Application

Overview

***Are you a member, or are you currently involved in the management, of the fire department applying for this grant with this application?**

Yes, I am a member/officer of this applicant

If you are a grant writer or otherwise not affiliated with this applicant, please **complete** the information below.

Fields marked with an * are required.

If you are a member/officer of this applicant, please do **not** complete the information requested below.

Preparer Information

* Preparer's Name

* Address 1

Address 2

* City

* State

* Zip

-

* Enter Grant-writing fee associated with the preparation of this request. Enter 0 if there is no fee. 0

Contact Information

Alternate Contact Information Number 1

* Title	Captain
Prefix	N/A
* First Name	Ronald
Middle Initial	
* Last Name	Chance
* Business Phone	860-757-4505 Ext.
Alternate Phone Number	Ext.
Mobile Phone/Pager	
Fax	
*Email	chanr@hartford.gov

Alternate Contact Information Number 2

* Title	Sergeant
Prefix	N/A
* First Name	Andrew
Middle Initial	T
* Last Name	Jaffee
* Business Phone	860-757-4133 Ext.
Alternate Phone Number	Ext.
Mobile Phone/Pager	
Fax	
*Email	ajaffee@hartford.gov

Applicant Information

EMW-2009-FC-02259

Originally submitted on 07/09/2009 by Charles Teale, Sr. (Userid: hartfordconnecticut)

Contact Information:

Address: 275 Pearl st

City: Hartford

State: Connecticut

Zip: 06106

Day Phone: 8607574501

Evening Phone: 8607574500

Cell Phone: 8607614213

Email: cteale@hartford.gov

Application number is EMW-2009-FC-02259

* Fire Department Name	Hartford Fire Department
* Type of Jurisdiction Served	City
If other, please enter the type of Jurisdiction	
* Employer Identification Number	06-6001870
* What is your organization's DUNS Number ?	004534707 (call 1-866-705-5711 to get a DUNS number)
Headquarters or Main Station Physical Address	
* Physical Address 1	275 Pearl St.
Physical Address 2	
* City	Hartford
* State	Connecticut
* Zip	06103 - 2007 Need help for ZIP+4?
Mailing Address	
* Mailing Address 1	275 Pearl St.
Mailing Address 2	
* City	Hartford
* State	Connecticut
* Zip	06103 - 2007 Need help for ZIP+4?
Account Information	
* Type of bank account	Checking
* Bank routing number - 9 digit number on the bottom left hand corner of your check	011900254
* Your account number	385003274956
Additional Information	
* For this fiscal year is your organization receiving Federal funding from any other grant program that may duplicate the purpose and/or scope of this grant request?	No

* If awarded the FSC grant, will your organization
expend more than \$500,000 in Federal funds during
your organization's fiscal year in which this FSC grant
was awarded? No

* Is the applicant [delinquent on any Federal debt](#)? No

If you answered yes to any of the additional questions
above, please provide an explanation in the space
provided below:

Fire Department Characteristics (Part I)

* Are you a member of a Federal Fire Department or contracted by the Federal government and solely responsible for suppression of fires on Federal property?	No
* What kind of fire department do you represent?	All Paid/Career
If you answered combination, above, what is the percentage of career members in your organization?	%
If you answered volunteer or combination or paid on-call, how many of your volunteer Firefighters are paid members from another career department?	
* What type of community does your organization serve?	Urban
* What is the square mileage of your first-due response area?	17.3
* What percentage of your response area is protected by hydrants?	100 %
* In what county/parish is your organization physically located? If you have more than one station, in what county/parish is your main station located?	Hartford County
* Does your organization protect critical infrastructure of the state?	Yes
* How much of your jurisdiction's land use is for agriculture, wild land, open space, or undeveloped properties?	10 %
* What percentage of your jurisdiction's land use is for commercial, industrial, or institutional purposes?	40 %
* What percentage of your jurisdiction's land is used for residential purposes?	50 %
* How many occupied structures (commercial, industrial, residential, or institutional) in your jurisdiction are more than four stories tall? Do not include structures which are not regularly occupied such as silos, towers, steeples, etc.	155
* What is the permanent resident population of your Primary/First-Due Response Area or jurisdiction served?	125000
* How many active firefighters does your department have who perform firefighting duties?	346
* How many fire stations does your department currently operate?	12
* Do you currently report to the National Fire Incident Reporting System (NFIRS)?	Yes
If you answered yes above, please enter your FDIN/FDID	02140
* What services does your organization provide?	

Structural Fire Suppression

Medical First Response

Hazmat Operational Level

Airport Rescue Firefighting (ARFF)

Hazmat Technical Level

Rescue Operational Level

Formal/Year-Round Fire Prevention Program

Fire Department Characteristics (Part II)

	2008	2007	2006
* What is the total number of fire-related civilian fatalities in your jurisdiction over the last three years?	0	4	0
* What is the total number of fire-related civilian injuries in your jurisdiction over the last three years?	20	41	22
* What is the total number of line of duty member fatalities in your jurisdiction over the last three years?	0	0	0
* What is the total number of line of duty member injuries in your jurisdiction over the last three years?	21	32	48
* Over the last three years, what was your fire department's average operating budget?	2950000		
* What percentage of your TOTAL budget is dedicated to personnel costs (salary, overtime and fringe benefits)?	83 %		
* What percentage of your annual operating budget is derived from: Enter numbers only, percentages must sum up to 100%			
Taxes?	94 %		
Grants?	5 %		
Donations?	0 %		
Fund drives?	0 %		
Fee for Service?	1 %		
Other?	0 %		
If you entered a value into Other field (other than 0), please explain			
* How many vehicles does your organization have in each of the types or class of vehicle listed below? You must include vehicles that are leased or on long-term loan as well as any vehicles that have been ordered or otherwise currently under contract for purchase or lease by your organization but not yet in your possession. Enter numbers only and enter 0 if you do not have any of the vehicles below.			
Type or Class of Vehicle	Total Number	Total Number of Riding Positions	
Engines or Pumpers (pumping capacity of 750 gpm or greater and water capacity of 300 gallons or more): Pumper, Pumper/Tanker, Rescue/Pumper, Foam Pumper, CAFS Pumper, Quint (Aerial device of less than 76 feet), Type I Engine, Type II Engine, Type II/III Wildland/Urban Interface	16	93	
Tankers (pumping capacity of less than 750 gallons per minute (gpm) and water capacity of 1,000 gallons or more): Tanker, Tender, Tanker/Tender	0	0	
Aerial Apparatus: Aerial Ladder Truck, Telescoping, Articulating, Ladder Towers, Platform, Tiller Ladder Truck, Quint (Aerial device of 76 feet or greater)	8	49	
Brush/Quick attack (pumping capacity of less than 750 gpm): Brush Truck, Patrol Unit (Pick up w/ Skid Unit), Quick Attack Unit, Mini-Pumper, Type III Engine, Type IV Engine, Type V Engine, Type VI Engine, Type VII Engine	0	0	
Rescue Vehicles: Rescue Squad, Rescue (Light, Medium, Heavy), Technical Rescue Vehicle,	2	13	

Hazardous Materials Unit

Other:

EMS Chase Vehicle, Air/Light Unit, Rehab Units, Bomb Unit, Technical Support (Command, Operational Support/Supply), Hose Tender, Salvage Truck, ARFF (Aircraft Rescue Firefighting), Command/Mobile Communications Vehicle, Other Vehicle

3

9

Fire Department Call Volume

<			
	2008	2007	2006
* How many responses per year by category? (Enter whole numbers only. If you have no calls for any of the categories, enter 0)			
Working Structural Fires	93	99	143
False Alarms/Good Intent Calls	2916	4441	4721
Vehicle Fires	212	251	226
Vegetation Fires	95	115	86
EMS-BLS Response Calls	11684	12636	12955
EMS-ALS Response Calls	0	0	0
EMS-BLS Scheduled Transports	0	0	0
EMS-ALS Scheduled Transports	0	0	0
Vehicle Accidents w/o Extrication	514	1030	498
Vehicle Extrications	20	32	19
Other Rescue	2825	1957	1729
Hazardous Condition/Materials Calls	800	787	869
Service Calls	2198	2476	2369
Other Calls and Incidents	985	1116	998
Total	22342	24940	24613
What is the total acreage of all vegetation fires?	10	10	10
How many times does your organization receive mutual/automatic aid?	8	7	8
How many times does your organization provide mutual/automatic aid? (Please indicate the number of times your department provides or receives mutual aid. Do not include first-due responses claimed above.)	6	7	7

Request Details

The activities for program **Fire Station Construction** are listed in the table below.

Activity	Number of Entries	Total Cost	Total Applicant Share	Total Federal Share
Fire Station Construction	3	\$ 3,982,432	\$ 0	\$ 3,982,432

Project	Cost	Applicant Share	Federal Share	Action
Renovate/rehabilitate an unsafe/uninhabitable station.	\$ 1,199,500	\$ 0	\$ 1,199,500	View Details View Project Budget
Renovate/rehabilitate an unsafe/uninhabitable station.	\$ 1,532,700	\$ 0	\$ 1,532,700	View Details View Project Budget
Replace an existing but unusable, unfunctional or cramped fire station.	\$ 1,250,232	\$ 0	\$ 1,250,232	View Details View Project Budget

Fire Station Construction

*1. What is the purpose of your request?

Renovate/rehabilitate an unsafe/uninhabitable station.

*2. If your request is to replace or rehabilitate an unsafe or uninhabitable station, what is the reason for your request?

The existing structure is in need of repairs that the department cannot afford to implement.

2a. If you have health-code violations or orders to vacate your existing fire station, what is the date of that order and what are the conditions under which the order was issued?

Date: (mm/dd/yyyy)

* 3. If your request is to construct an additional fire station in order to better serve your community, did you conduct a formal survey to identify the location of your new fire station?

N/A (we're modifying an existing station)

a. If yes, what percentage of your first-due response area can currently be protected within a five minute response time (from the time of dispatch), without the new station?

%

b. If yes, what percentage of your first-due response area will be protected within a five minute response time (from the time of dispatch) once the new station is operational?

%

* 4. Regardless of local building code requirements, will your new station or your modification project be designed and built according to the most recently approved requirements and codes developed by the International Code Council **as well as NFPA standards that involve fire station construction including sprinkler systems (in accordance with NFPA 1, chapter 13) and fire alarms and vehicle exhaust extraction systems (in**

Yes

accordance with NFPA 1500, chapter 9)?

* 5. Will your project provide for sleeping quarters and other amenities to accommodate 24/7 occupancy?	Yes
*6a. Has your department obtained formal cost estimates for your project from a contractor, engineering firm, architectural firm, or some other industry source?	No
6b. If so, please provide the estimated cost obtained. If not please provide your best estimates for the cost necessary to complete your project.	\$
6c. What is the source of the estimated cost (e.g., general construction contractor, engineering firm, construction cost estimate tables such as Marshall and Swift, R.S. Means, etc.)?	
* 6d. What is the total square footage of the modification to your facility or your new facility?	9596
* 6e. There are no cost-share requirements under this program, but is your department willing to contribute to the cost of the project?	No
* 7. Do you own the land on which the construction will occur?	Yes
* 8. Is the land on which the construction will occur already zoned for the planned fire station?	Yes
* 9. The land on which you plan to build the new fire station:	N/A, our project is a renovation project.
* 10. Has your department already obtained all the necessary local permits for your planned construction project?	No
* 11. Has your department already conducted an environmental assessment (EA) for your planned construction project?	N/A (we are modifying an existing station). If applicable, explain what work has been done on the EA:
* 12. If your project is for a renovation of an existing structure, have you already received clearances from the State Historic Preservation Office (SHPO) to proceed with the project?	Yes, clearance has been obtained.
* 13. Are utilities already at or adjacent to the land on which the construction will occur?	Yes, the utilities are readily available to the site.

- * 14. Is your community a participant in the National Flood Insurance Program and in good standing (i.e. not sanctioned)? Yes
- * 15. What was the unemployment rate for your county or city in December 2008 (go to the website provided under the help button to the right)? 7 %
- * 16. What was the unemployment rate for your county or city in December 2007 (go to the website provided under the help button to the right)? 5 %
- * 17. What is the population of the county or city for which you have provided the unemployment statistics above? 125000
- * 18. How long will it take to complete your fire station after the completion of the environmental assessment and receipt of Federal approval to begin work? 12 Months
- * 19. How long has your department been ready to start the construction of your fire station (how long have you had your permits)? Months
N/A
- * 20. How much has your department spent on your project to date? 0 for design (architects)
0 for permits
0 other (explain)
- * 21. Is your department responsible for the provision of Emergency Medical Services in addition to fire suppression? No
- * 22. What percentage of your active firefighters meets the training requirements under NFPA 1001? 100 %
- * 23. Will the new fire station improve your department's ability to affect mutual aid? No
If yes, explain

BUDGET INFORMATION - Construction Programs

Item Name	Project Cost Estimate					
	Cost Classification	Grant Budget Class	Unit Quantity	Unit of Measure	Unit Cost (\$)	Cost Estimate (\$)
Building construction	Construction	Construction	9596	Square Foot	94	902024

Kitchen appliances	Equipment	Equipment	9596	Square Foot	4	38384
Sprinklers or other fire suppression systems	Construction	Construction	9596	Square Foot	5	47980
Design, planning, and engineering expenses	Architectural and Engineering Fees	Contractual	9596	Square Foot	16	153536
ADA compliance	Construction	Construction	9596	Square Foot	1	9596
Environmental assessment	Site Work	Contractual	9596	Square Foot	1	9596
Energy conservation systems (Leadership in Energy and Environmental Design - LEED)	Construction	Construction	9596	Square Foot	4	38384
Total Cost Estimate						\$1199500
Applicant Share						\$0 / 0.00%
Federal Share						\$1199500 / 100.00%

Fire Station Construction

- *1. Select an item from the drop-down menu. Building construction
- *2. Select a grant budget class for each item selected. Construction
- *3. Select a cost classification for each item selected. Construction
- *4. Select unit of Measure for the cost classification item selected in question 3. Square Foot
- *5. Provide Unit quantity 9596
- *6. Provide a unit cost. \$94
- *7. Budget Item Narrative. To complete this section, refer to the requirements outlined in the help link located below right.
Construction costs are estimated at \$94 per square foot, based on current local rates and the ongoing renovation of another Hartford Fire Department station.

Fire Station Construction

- *1. Select an item from the drop-down menu. Kitchen appliances
- *2. Select a grant budget class for each item selected. Equipment
- *3. Select a cost classification for each item selected. Equipment
- *4. Select unit of Measure for the cost classification item selected

in question 3.

*5. Provide Unit quantity

Square Foot

9596

*6. Provide a unit cost.

\$4

*7. Budget Item Narrative.

To complete this section, refer to the requirements outlined in the help link located below right.
This expense includes a new refrigerator, restaurant grade six-burner stove, dish washer, and fire suppression system.

Fire Station Construction

*1. Select an item from the drop-down menu.

Sprinklers or other fire suppression systems

*2. Select a grant budget class for each item selected.

Construction

*3. Select a cost classification for each item selected.

Construction

*4. Select unit of Measure for the cost classification item selected in question 3.

Square Foot

*5. Provide Unit quantity

9596

*6. Provide a unit cost.

\$5

*7. Budget Item Narrative.

To complete this section, refer to the requirements outlined in the help link located below right.
An integrated sprinkler system will be installed throughout the firehouse. These costs are based on a brand-new system, as none of the fire houses in Hartford currently have sprinkler systems.

Fire Station Construction

*1. Select an item from the drop-down menu.

Design, planning, and engineering expenses

*2. Select a grant budget class for each item selected.

Contractual

*3. Select a cost classification for each item selected.

Architectural and Engineering Fees

*4. Select unit of Measure for the cost classification item selected in question 3.

Square Foot

*5. Provide Unit quantity

9596

*6. Provide a unit cost.

\$16

*7. Budget Item Narrative.

To complete this section, refer to the requirements outlined in the help link located below right.
Costs are based on expenses incurred for the these services on previous nine fire house renovations, all provided by the same firm.

Fire Station Construction

*1. Select an item from the drop-down menu.

ADA compliance

*2. Select a grant budget class for each item selected.

Construction

*3. Select a cost classification for each item selected.

Construction

*4. Select unit of Measure for the cost classification item selected in question 3.

Square Foot

*5. Provide Unit quantity

9596

*6. Provide a unit cost.

\$1

*7. Budget Item Narrative.

To complete this section, refer to the requirements outlined in the help link located below right.
This expense is to update the public restroom on the apparatus floor. It is currently accessible but the interior is not ADA compliant.

Fire Station Construction

*1. Select an item from the drop-down menu.

Environmental assessment

*2. Select a grant budget class for each item selected.

Contractual

*3. Select a cost classification for each item selected.

Site Work

*4. Select unit of Measure for the cost classification item selected in question 3.

Square Foot

*5. Provide Unit quantity

9596

*6. Provide a unit cost.

\$1

*7. Budget Item Narrative.

To complete this section, refer to the requirements outlined in the help link located below right.
An environmental assessment and energy audit will be completed by an outside firm prior to beginning renovations. This

contractual cost is an estimate based on current local rates.

Fire Station Construction

- *1. Select an item from the drop-down menu. Energy conservation systems (Leadership in Energy and Environmental Design - LEED)
- *2. Select a grant budget class for each item selected. Construction
- *3. Select a cost classification for each item selected. Construction
- *4. Select unit of Measure for the cost classification item selected in question 3. Square Foot
- *5. Provide Unit quantity 9596
- *6. Provide a unit cost. \$4
- *7. Budget Item Narrative. To complete this section, refer to the requirements outlined in the help link located below right.
Current gas boilers will be replaced with an updated HVAC system that will increase energy efficiency. The Responsible Care Management System will be utilized to monitor energy usage and conservation.

Fire Station Construction

- *1. What is the purpose of your request? Renovate/rehabilitate an unsafe/uninhabitable station.
- *2. If your request is to replace or rehabilitate an unsafe or uninhabitable station, what is the reason for your request? The existing structure is in need of repairs that the department cannot afford to implement.
- 2a. If you have health-code violations or orders to vacate your existing fire station, what is the date of that order and what are the conditions under which the order was issued? Date: (mm/dd/yyyy)
- * 3. If your request is to construct an additional fire station in order to better serve your community, did you conduct a formal survey to identify the location of your new fire station? N/A (we're modifying an existing station)
- a. If yes, what percentage of your first-due response area can currently be protected within a five minute response time (from the time of dispatch), without the new station? %
- b. If yes, what percentage of your first-due response area will be protected within a five minute response time (from the time of dispatch) once the new station is operational? %

* 4. Regardless of local building code requirements, will your new station or your modification project be designed and built according to the most recently approved requirements and codes developed by the International Code Council as well as NFPA standards that involve fire station construction including sprinkler systems (in accordance with NFPA 1, chapter 13) and fire alarms and vehicle exhaust extraction systems (in accordance with NFPA 1500, chapter 9)?	Yes
* 5. Will your project provide for sleeping quarters and other amenities to accommodate 24/7 occupancy?	Yes
*6a. Has your department obtained formal cost estimates for your project from a contractor, engineering firm, architectural firm, or some other industry source?	No
6b. If so, please provide the estimated cost obtained. If not please provide your best estimates for the cost necessary to complete your project.	\$
6c. What is the source of the estimated cost (e.g., general construction contractor, engineering firm, construction cost estimate tables such as Marshall and Swift, R.S. Means, etc.)?	
* 6d. What is the total square footage of the modification to your facility or your new facility?	13100
* 6e. There are no cost-share requirements under this program, but is your department willing to contribute to the cost of the project?	No
* 7. Do you own the land on which the construction will occur?	Yes
* 8. Is the land on which the construction will occur already zoned for the planned fire station?	Yes
* 9. The land on which you plan to build the new fire station:	N/A, our project is a renovation project.
* 10. Has your department already obtained all the necessary local permits for your planned construction project?	No
* 11. Has your department already conducted an environmental assessment (EA) for your planned construction project?	N/A (we are modifying an existing station). If applicable, explain what work has been done on the EA:
* 12. If your project is for a renovation of an existing structure,	

have you already received clearances from the State Historic Preservation Office (SHPO) to proceed with the project?

No work has been done on historical clearances from the SHPO.

* 13. Are utilities already at or adjacent to the land on which the construction will occur?

Yes, the utilities are readily available to the site.

* 14. Is your community a participant in the National Flood Insurance Program and in good standing (i.e. not sanctioned)?

Yes

* 15. What was the unemployment rate for your county or city in December 2008 (go to the website provided under the help button to the right)?

7 %

* 16. What was the unemployment rate for your county or city in December 2007 (go to the website provided under the help button to the right)?

5 %

* 17. What is the population of the county or city for which you have provided the unemployment statistics above?

125000

*18. How long will it take to complete your fire station after the completion of the environmental assessment and receipt of Federal approval to begin work?

12 Months

*19. How long has your department been ready to start the construction of your fire station (how long have you had your permits)?

Months
N/A

*20. How much has your department spent on your project to date?

0 for design (architects)
0 for permits
0 other (explain)

* 21. Is your department responsible for the provision of Emergency Medical Services in addition to fire suppression?

No

*22. What percentage of your active firefighters meets the training requirements under NFPA 1001?

100 %

*23. Will the new fire station improve your department's ability to affect mutual aid?

No
If yes, explain

BUDGET INFORMATION - Construction Programs

Item Name	Project Cost Estimate					
	Cost Classification	Grant Budget Class	Unit Quantity	Unit of Measure	Unit Cost (\$)	Cost Estimate (\$)
Sprinklers or other fire suppression systems	Construction	Construction	13100	Square Foot	5	65500
Energy conservation systems (Leadership in Energy and Environmental Design - LEED)	Construction	Construction	13100	Square Foot	4	52400
Kitchen appliances	Equipment	Equipment	13100	Square Foot	3	39300
Building construction	Construction	Construction	13100	Square Foot	89	1165900
Environmental assessment	Site Work	Contractual	13100	Square Foot	1	13100
Design, planning, and engineering expenses	Architectural and Engineering Fees	Contractual	13100	Square Foot	15	196500
Total Cost Estimate						\$1532700
Applicant Share						\$0 / 0.00%
Federal Share						\$1532700 / 100.00%

Fire Station Construction

- *1. Select an item from the drop-down menu. Sprinklers or other fire suppression systems
- *2. Select a grant budget class for each item selected. Construction
- *3. Select a cost classification for each item selected. Construction
- *4. Select unit of Measure for the cost classification item selected in question 3. Square Foot
- *5. Provide Unit quantity 13100
- *6. Provide a unit cost. \$5
- *7. Budget Item Narrative. To complete this section, refer to the requirements outlined in the help link located below right. Currently none of the fire stations in Hartford has a sprinkler system. A new integrated system will be installed as part of the overall construction. These figures are based on previously acquired cost estimates.

Fire Station Construction

- *1. Select an item from the drop-down menu. Energy conservation systems (Leadership

	in Energy and Environmental Design - LEED)
*2. Select a grant budget class for each item selected.	Construction
*3. Select a cost classification for each item selected.	Construction
*4. Select unit of Measure for the cost classification item selected in question 3.	Square Foot
*5. Provide Unit quantity	13100
*6. Provide a unit cost.	\$4
*7. Budget Item Narrative.	<p>To complete this section, refer to the requirements outlined in the help link located below right.</p> <p>New energy efficient HVAC will replace the existing gas boilers. Responsible Care Management System will be implemented to ensure they are providing energy efficient heating and cooling.</p>

Fire Station Construction

*1. Select an item from the drop-down menu.	Kitchen appliances
*2. Select a grant budget class for each item selected.	Equipment
*3. Select a cost classification for each item selected.	Equipment
*4. Select unit of Measure for the cost classification item selected in question 3.	Square Foot
*5. Provide Unit quantity	13100
*6. Provide a unit cost.	\$3
*7. Budget Item Narrative.	<p>To complete this section, refer to the requirements outlined in the help link located below right.</p> <p>Expenses are for the purchase of a new refrigerator, restaurant-style six-burner stove, dish washer and fire suppression system. Costs are estimated based on current pricing of these items.</p>

Fire Station Construction

*1. Select an item from the drop-down menu.	Building construction
*2. Select a grant budget class for each item selected.	Construction

- | | |
|---|---|
| *3. Select a cost classification for each item selected. | Construction |
| *4. Select unit of Measure for the cost classification item selected in question 3. | Square Foot |
| *5. Provide Unit quantity | 13100 |
| *6. Provide a unit cost. | \$89 |
| *7. Budget Item Narrative. | <p>To complete this section, refer to the requirements outlined in the help link located below right.</p> <p>This expense is for the cost of labor and materials to complete the needed construction an dis estimated based on costs associated with previous renovation of nine fire houses.</p> |

Fire Station Construction

- | | |
|---|---|
| *1. Select an item from the drop-down menu. | Environmental assessment |
| *2. Select a grant budget class for each item selected. | Contractual |
| *3. Select a cost classification for each item selected. | Site Work |
| *4. Select unit of Measure for the cost classification item selected in question 3. | Square Foot |
| *5. Provide Unit quantity | 13100 |
| *6. Provide a unit cost. | \$1 |
| *7. Budget Item Narrative. | <p>To complete this section, refer to the requirements outlined in the help link located below right.</p> <p>An outside firm will be contracted to complete an environmental assessment and energy audit prior to renovation.</p> |

Fire Station Construction

- | | |
|---|--|
| *1. Select an item from the drop-down menu. | Design, planning, and engineering expenses |
| *2. Select a grant budget class for each item selected. | Contractual |
| *3. Select a cost classification for each item selected. | Architectural and Engineering Fees |
| *4. Select unit of Measure for the cost classification item selected in question 3. | Square Foot |
| *5. Provide Unit quantity | 13100 |

*6. Provide a unit cost.

\$15

*7. Budget Item Narrative.

To complete this section, refer to the requirements outlined in the help link located below right.
This cost is based on those associated with the previous renovations of the nine other HFD fire houses, which have been contracted to the same design and engineering firm.

Fire Station Construction

*1. What is the purpose of your request?

Replace an existing but unusable, unfunctional or cramped fire station.

*2. If your request is to replace or rehabilitate an unsafe or uninhabitable station, what is the reason for your request?

The existing structure is in need of repairs that the department cannot afford to implement.

2a. If you have health-code violations or orders to vacate your existing fire station, what is the date of that order and what are the conditions under which the order was issued?

Date: (mm/dd/yyyy)

* 3. If your request is to construct an additional fire station in order to better serve your community, did you conduct a formal survey to identify the location of your new fire station?

No

a. If yes, what percentage of your first-due response area can currently be protected within a five minute response time (from the time of dispatch), without the new station?

%

b. If yes, what percentage of your first-due response area will be protected within a five minute response time (from the time of dispatch) once the new station is operational?

%

* 4. Regardless of local building code requirements, will your new station or your modification project be designed and built according to the most recently approved requirements and codes developed by the International Code Council **as well as NFPA standards that involve fire station construction including sprinkler systems (in accordance with NFPA 1, chapter 13) and fire alarms and vehicle exhaust extraction systems (in accordance with NFPA 1500, chapter 9)?**

Yes

* 5. Will your project provide for sleeping quarters and other amenities to accommodate 24/7 occupancy?

No

*6a. Has your department obtained formal cost estimates for your project from a contractor, engineering firm, architectural firm, or some other industry source?

Yes

6b. If so, please provide the estimated cost obtained. If not

please provide your best estimates for the cost necessary to complete your project.	\$1,626,560
6c. What is the source of the estimated cost (e.g., general construction contractor, engineering firm, construction cost estimate tables such as Marshall and Swift, R.S. Means, etc.)?	contractors
* 6d. What is the total square footage of the modification to your facility or your new facility?	3688
* 6e. There are no cost-share requirements under this program, but is your department willing to contribute to the cost of the project?	No
* 7. Do you own the land on which the construction will occur?	Yes
* 8. Is the land on which the construction will occur already zoned for the planned fire station?	Yes
* 9. The land on which you plan to build the new fire station:	Has existing structure or structures that must be demolished to make room for the new fire station.
* 10. Has your department already obtained all the necessary local permits for your planned construction project?	Yes
* 11. Has your department already conducted an environmental assessment (EA) for your planned construction project?	Yes
	If applicable, explain what work has been done on the EA: The assessment was conducted in conjunction with Phase I.
* 12. If your project is for a renovation of an existing structure, have you already received clearances from the State Historic Preservation Office (SHPO) to proceed with the project?	N/A (we're building a new station).
* 13. Are utilities already at or adjacent to the land on which the construction will occur?	Yes, the utilities are readily available to the site.
* 14. Is your community a participant in the National Flood Insurance Program and in good standing (i.e. not sanctioned)?	Yes
* 15. What was the unemployment rate for your county or city in December 2008 (go to the website provided under the help button to the right)?	7 %

- * 16. What was the unemployment rate for your county or city in December 2007 (go to the website provided under the help button to the right)? 5 %
- * 17. What is the population of the county or city for which you have provided the unemployment statistics above? 125000
- * 18. How long will it take to complete your fire station after the completion of the environmental assessment and receipt of Federal approval to begin work? 24 Months
- * 19. How long has your department been ready to start the construction of your fire station (how long have you had your permits)? 8 Months
- * 20. How much has your department spent on your project to date?
0 for design (architects)
0 for permits
0 other (explain)
- * 21. Is your department responsible for the provision of Emergency Medical Services in addition to fire suppression? No
- * 22. What percentage of your active firefighters meets the training requirements under NFPA 1001? 100 %
- * 23. Will the new fire station improve your department's ability to affect mutual aid? Yes
- If yes, explain
The new dispatch system will have the capability to serve as a backup to the emergency communications systems in the surrounding areas, in the event those systems fail due to emergency. This will ensure mutual aid emergency response in a timely manner.

BUDGET INFORMATION - Construction Programs

Item Name	Project Cost Estimate					Cost Estimate (\$)
	Cost Classification	Grant Budget Class	Unit Quantity	Unit of Measure	Unit Cost (\$)	
Internet cabling	Construction	Construction	3688	Square Foot	3	11064
Other	Construction	Contractual	3688	Square Foot	33	121704

Other	Construction	Contractual	3688	Square Foot	45	165960
Building construction	Construction	Construction	3688	Square Foot	219	807672
Sprinklers or other fire suppression systems	Construction	Construction	3688	Square Foot	13	47944
Renewable energy for HVAC and power systems	Equipment	Equipment	3688	Square Foot	15	55320
Other	Construction	Contractual	3688	Square Foot	11	40568
Total Cost Estimate						\$1250232
Applicant Share						\$0 / 0.00%
Federal Share						\$1250232 / 100.00%

Fire Station Construction

*1. Select an item from the drop-down menu.

Internet cabling

*2. Select a grant budget class for each item selected.

Construction

*3. Select a cost classification for each item selected.

Construction

*4. Select unit of Measure for the cost classification item selected in question 3.

Square Foot

*5. Provide Unit quantity

3688

*6. Provide a unit cost.

\$3

*7. Budget Item Narrative.

To complete this section, refer to the requirements outlined in the help link located below right.
Internet cabling will be installed throughout the HFD area of the Public Safety Complex. Costs are based on contractor estimates.

Fire Station Construction

*1. Select an item from the drop-down menu.

Other Electrical

*2. Select a grant budget class for each item selected.

Contractual

*3. Select a cost classification for each item selected.

Construction

*4. Select unit of Measure for the cost classification item selected in question 3.

Square Foot

*5. Provide Unit quantity

3688

*6. Provide a unit cost.

\$33

*7. Budget Item Narrative.

To complete this section, refer to the requirements outlined in the help link located below right.
Electrical subcontracts will be managed by the construction manager; expense is based on current known rates.

Fire Station Construction

*1. Select an item from the drop-down menu.

Other Mechanical

*2. Select a grant budget class for each item selected.

Contractual

*3. Select a cost classification for each item selected.

Construction

*4. Select unit of Measure for the cost classification item selected in question 3.

Square Foot

*5. Provide Unit quantity

3688

*6. Provide a unit cost.

\$45

*7. Budget Item Narrative.

To complete this section, refer to the requirements outlined in the help link located below right.
Mechanical services will be subcontracted through the construction manager; estimate is based on currently available rates.

Fire Station Construction

*1. Select an item from the drop-down menu.

Building construction

*2. Select a grant budget class for each item selected.

Construction

*3. Select a cost classification for each item selected.

Construction

*4. Select unit of Measure for the cost classification item selected in question 3.

Square Foot

*5. Provide Unit quantity

3688

*6. Provide a unit cost.

\$219

*7. Budget Item Narrative.

To complete this section, refer to the requirements outlined in the help link located below right.
This item is to complete the construction of the area of the Public Safety Complex which will house the Fire Department HQ, cadet training, fire marshal facilities, and a portion of the dispatch center. Costs are

based on contractor estimates.

Fire Station Construction

- *1. Select an item from the drop-down menu. Sprinklers or other fire suppression systems
- *2. Select a grant budget class for each item selected. Construction
- *3. Select a cost classification for each item selected. Construction
- *4. Select unit of Measure for the cost classification item selected in question 3. Square Foot
- *5. Provide Unit quantity 3688
- *6. Provide a unit cost. \$13
- *7. Budget Item Narrative. To complete this section, refer to the requirements outlined in the help link located below right.
An integrated sprinkler system will be installed throughout the building. Costs are based on contractor estimate.

Fire Station Construction

- *1. Select an item from the drop-down menu. Renewable energy for HVAC and power systems
- *2. Select a grant budget class for each item selected. Equipment
- *3. Select a cost classification for each item selected. Equipment
- *4. Select unit of Measure for the cost classification item selected in question 3. Square Foot
- *5. Provide Unit quantity 3688
- *6. Provide a unit cost. \$15
- *7. Budget Item Narrative. To complete this section, refer to the requirements outlined in the help link located below right.
The Public Safety Complex will be powered by a 400 KW United Technologies Fuel Cell which is self-generating and produces zero pollution and contaminants. Waste from the fuel cell is converted into potable drinking water. Expense is based on a proportion of overall purchase and installation cost related to the square footage of the HFD area.

Fire Station Construction

- *1. Select an item from the drop-down menu. Other Plumbing
- *2. Select a grant budget class for each item selected. Contractual
- *3. Select a cost classification for each item selected. Construction
- *4. Select unit of Measure for the cost classification item selected in question 3. Square Foot
- *5. Provide Unit quantity 3688
- *6. Provide a unit cost. \$11
- *7. Budget Item Narrative.
To complete this section, refer to the requirements outlined in the help link located below right.
The plumbing for this section of the Public Safety Complex will be subcontracted by the construction manager. Costs are based on available current rates.

BudgetBudget Object Class

a. Personnel	\$ 0
b. Fringe Benefits	\$ 0
c. Travel	\$ 0
d. Equipment	\$ 133,004
e. Supplies	\$ 0
f. Contractual	\$ 700,964
g. Construction	\$ 3,148,464
h. Other	\$ 0
i. Indirect Charges	\$ 0
Federal and Applicant Share	
Federal Share	\$ 3,982,432
Applicant Share	\$ 0
Federal Rate Sharing (%)	100/0

* Non-Federal Resources *(The combined Non-Federal Resources must equal the Applicant Share of \$ 0)*

a. Applicant	\$ 0
b. State	\$ 0
c. Local	\$ 0
d. Other Sources	\$ 0

If you entered a value in Other Sources other than zero (0), include your explanation below. You can use this space to provide information on the project, cost share match, or if you have an indirect cost agreement with a federal agency.

Total Budget	\$ 3,982,432
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Narrative Statement

Project Description

*** Please indicate which of these Target Capabilities your request outlined in this application will satisfy. Check all that apply:**

Responder Safety and Health
Firefighting Operations/Support
Hazardous Materials Response
Communications

Project Description

*** Please provide your narrative statement in the space provided below. Include in your narrative, details regarding your fire station project as detailed above.**

1) Project Description:

- Your narrative should demonstrate the need for the new facility. This would include a description of the existing facility or facilities and their shortcomings.

The City of Hartford Connecticut is home to 125,000 residents, and grows by nearly 54% every day as thousands more commute into the city to work for the insurance companies and other businesses located there. The responsibility for protecting these lives falls to the Hartford Fire Department, which is one of only 42 departments, out of 33,000 nationally, to receive a Class 1 ranking from the Insurance Services Organization and is the 4thlargest in New England. The City has made a good faith effort to provide the same for its firefighters, but economic hardships have made it all but impossible to ensure all who serve do so in the safest conditions. Improving the conditions in which the individual firefighters and the Department as a whole work will allow Hartford to address issues of safety, response and overall effectiveness.

The City of Hartford, Connecticut (Hartford Fire Department) proposes the renovation of two aging fire stations, and construction of specific Fire Department components of the new Public Safety Complex that will be an integral part of fire response in the community. These three projects will contribute to the Hartford Fire Department's ability to best serve both individual neighborhoods and the city as a whole.

Fire Station Company 10 was built in 1960 and has never been renovated. Four firefighters are on duty per shift. It serves as one of three fueling depots for the city, and is located in the South End of the city. The building is built of brick cinder block and utilizes the original boiler, converted from diesel to gas fire, for heating. The following items are in need of renovation: floors/tile, bathroom plumbing (leakage onto apparatus bay floor), ceilings, lighting, windows, all doors, cracked walls throughout, hose dryers, employee lockers original to the building, kitchen, apparatus bay heating system, house heating system, window AC units, basement (floods in heavy rain threatening heating and communications systems), entry areas in the front and rear yard, which has high traffic due to its use as one of three fuel depots. There is also a need for asbestos abatement in the mechanical room.

Critical infrastructure in Company 10's first due response area includes four schools; shopping and restaurants; 27-hole municipal golf course; elderly housing; the Mid-Connecticut Project managed by the Connecticut Resources Recovery Authority that consists of a 2,850 ton-per-day refuse-derived fuel trash-to-energy facility servicing 70 surrounding municipalities, a regional recycling center and the CRRA Trash Museum; power and water treatment plants; a State of Connecticut, Department of Transportation managed airport providing chartered air services that averages 350 flights a day; a regional market which serves as an area hub for produce/meat/beverage distribution; rail; and, the major highway exchange of Interstate 91 & 84, one of the busiest in New England for truck traffic. In 2008, Company 10's call volume was 2,175.

Company 11, which serves as a Regional Response Station and is located in the city's West End, also was built in 1960 of brick cinder block, and has never been renovated. The original boiler, which has been converted from diesel to gas fire, is still in use. Eight firefighters are on duty per shift. The following items are in need of renovation: floors/tile, bathroom plumbing (leakage onto apparatus bay floor), ceilings, lighting, windows, all doors, cracked walls throughout, hose dryers, employee lockers original to the building, kitchen, apparatus bay heating system, house heating system, window AC units, basement (floods in heavy rain threatening heating

and communications systems), entry areas in the front and rear yard. There is also a need for asbestos abatement in the mechanical room. Currently, the Fire Marshal and staff have office space adjacent to the common area at Company 11, limiting use of that space for firefighters and adding congestion to the building's physical issues.

Critical infrastructure within Company 11's first due area includes six schools; elderly housing; business district; Saint Francis Hospital, a provider of Level I Trauma Care and a participant in the states 'Life Star' helicopter program and doctors offices; historical Mark Twain/Harriet Beecher Stowe houses and museum; Imax movie theatre complex; large manufacturing structures; rail; and, Interstate 84. Company 11's 2008 total call volume was 4,017.

The Hartford Fire Department's Headquarters will be relocating to a new, fully modernized Public Safety Complex that will provide the City with a consolidated, comprehensive command center designed to ensure an improved city-wide response capability. However, given the requirements of this grant, funding for that is not included in this proposal. What is applicable and critical is that the new Public Safety Complex will house emergency and routine communications for the Hartford Fire Department, the fire marshal and inspectors and a training room, allowing for centralized coordination between these key fire-related elements as well as with other public safety departments. Currently, the fire functions to be included in the Public Safety Complex are in separate buildings throughout the city and by being brought together within one structure will assure complete continuity in fire prevention, suppression, investigative services, and interoperable communications. The move to the Public Safety Complex will benefit the fire department's effectiveness in three key ways. It will increase the capacity and improve the efficiency of emergency and routine communications, resulting in significantly improved response times; it will provide training space dedicated solely to cadets to improve their level of training and subsequent on-the-job performance; and, the relocation of the Fire Marshal's office to a dedicated and fully-operational space will specifically improve the City's fire prevention capability and improve working conditions within House #11. Taken together, these three projects improve facilities for the rank and file while upgrading command and control functions by moving them to a new centralized facility. This funding will alleviate overcrowded and unsafe conditions in fire stations, which will be supported by a centralized dispatch center supporting emergency and routine communications that promotes true interoperability. This means all levels of the Department improve in functionality, which results in safer working conditions and a safer community.

- Why are you building a new station versus expanding or modifying your existing station (or vice versa)? Provide a basis for site selection for the new construction.

Hartford is modifying the existing structures of Company 10 and Company 11 to remedy deficiencies and hazards that create unnecessary risk to the firefighters occupying these buildings. In addition, these renovations will make the fire house more user-friendly and comfortable for the firefighters, both men and women, who reside there while on duty. Window repair will greatly improve the climatic conditions inside the station, and conserve energy. As part of the design process for the fire house renovations, energy audits will be conducted to incorporate efficiency measures into the design. Replacing the 49 year old heating systems will also conserve energy and decrease the likelihood of a station shutdown due to carbon monoxide or other safety issues. Upgrading kitchen areas will provide for a common space which utilizes efficient and safe equipment. Modifying sleeping quarters to replace partitions with actual walls will allow for privacy for both male and female firefighters. Above all, these improvements will make the best, most cost effective use of sound structures that need renovating as opposed to much more expensive rebuilding.

The Public Safety Complex when completed will be an entirely modern and state-of-the-art facility. It is new construction being built in a centralized location on the edge of downtown Hartford that will provide the public with greater access to the public safety agencies servicing the community. The Fire Department components proposed for funding will be housed in Building A of the Complex, which will incorporate the outer shell of an 1891 school which is a local Registered Historical Building, fused with a completely rebuilt infrastructure. Saving the building was a critical requirement of the local historic ordinance, and the City has determined the best construction practices required to undertake this type of renovation.

- Describe your construction project(s). What are the characteristics of your project? How many square feet? How many bays/vehicles? What other accommodations will be included such as a kitchen, training, decontamination area, power source, gender specific sleeping quarters, training space, day room or community meeting space?

Company 10 measures 9,596 square feet and is a two bay house with one engine company. It is also used to

store spare apparatus. It serves as one of three fuel depots for all department apparatus. The kitchen is 12'X8', adjacent to the joint dining area/day room. The sleeping area is one large room shared by a minimum of four firefighters per shift. A partition which does not extend from floor to ceiling is the only means to accommodate gender-specific needs.

Company 11 is 13,391 square feet, with three bays for one engine company, one ladder company, a State of Connecticut regional foam unit, a Arson Investigation Vehicle and a refurbished city bus that functions as a mobile support unit when extended fire incidents require monitoring fire fighters' physical conditions and providing fluids, nutrition and medical attention as needed. Eight firefighters per shift share the 12'X8' kitchen and joint dining/day area with the Fire Marshal and staff. Sleeping quarters are a large room with a partition, which does not extend from floor to ceiling to accommodate gender-specific needs.

Within the Public Safety Complex, the Fire Department components described in this application will occupy approximately 10%, or 4,160 square feet of Building A, which totals 45,000 square feet. The application requests funding for 3,688 square feet, as there is a limitation specific to training room space. Included in the building will be a state-of-the-art communications center. The city operates a two-staged multi-disciplined Public Safety Dispatch Center (PSAP) servicing Fire, Police and Emergency Medical Services (EMS). The new PSAP will accommodate 22 dispatch positions, an increase from the current capacity of 16 dispatch positions. Within the PSAP, 2 dispatchers are dedicated to fire dispatch operations and will occupy 312 square feet of the new PSAP. It is anticipated that the increased capacity of the PSAP will greatly improve response time and, consequently, mitigate the potential for property damage and the loss of life. Also, it will include a 1,072 square foot cadet training room, of which 600 square feet is being included in this request for funding(pursuant to the solicitation guidelines). Currently this type of space exists in a small, shared area of the current Fire Department headquarters building. It will be used for training purposes only, and will consist of a computer area and work/classroom space. Additionally included will be the Fire Marshal's offices, which total 2,776 square feet. It will include offices for multiple marshals; file storage, library and conference room, which may be used to brief the public on investigative issues.

- What are the budgeted costs associated/estimated for each section?

The estimated cost for the renovation of Company 10 is \$1,199,500, based on a total of 9,596 square feet at a unit rate of \$125. For Company 11, the estimated cost is \$1,532,700, based on a total of 13,100 square feet at a per unit rate of \$117.

The estimated cost for the renovation of the Public Safety Complex portion is \$1,250,232, based on a total of 3,688 square feet at a unit rate of \$339.

- What is the current status of the project? Describe where you are in the process. Have you obtained plans, permits, etc.?

While plans and permits have not yet been obtained for Company 10 or Company 11, Hartford has completed similar renovations on eight of twelve other fire houses and is in process with a ninth. With processes already in place and well-tested, Hartford will be able to hit the ground running upon receiving funding to renovate the remaining structures (the twelfth is the current headquarters which will be razed following the movement of operations to the Public Safety Complex).

Plans and specifications for the entire Public Safety Complex have been prepared. Currently, the City is in the process of completing site clearance activity in preparation for construction. To ensure that the Public Safety Complex is ready for construction when funding is secured, construction bids have been requested and are due July 17, 2009.

2) Financial Need:

- Why can't this project be funded solely through local funding resources?

A bond was placed on the ballot in 2001 to provide for comprehensive fire house renovations. While \$23 million was estimated to be the cost, ultimately only \$6.3 million was bonded due to fiscal limitations for the municipality. Hartford managed to complete partial renovations to eight of the twelve fire stations and a ninth is in progress. The renovation of Companies 10 and 11 is included in Hartford's Capital Improvement Plan, but all of the \$6.3 million in original bond allocation has been expended, leaving no available funds to renovate these

remaining fire houses. The twelfth station, which currently houses the fire headquarters, will be closed when these operations are consolidated into the new Public Safety Complex.

The total project cost of the Public Safety Complex is \$85 million, of which \$67 million is estimated construction costs. City Council has approved funding in the amount of \$77 million for the project, to date only \$22 million in municipal bonds have been issued. Other funds are being sought for the completion of the project, particularly the fire portion of the facility.

The City of Hartford anticipates ending Fiscal Year 2008 – 2009 with an \$8 million deficit and projects a \$40 million budget deficit next year. To offset the budget deficit the City had to institute an across-the-board 8% expenditure reduction to non-personnel accounts, and eliminate an additional 31.5 FTE vacant positions across all municipal operating departments. Therefore, without this funding, it is very unlikely that the department will be able to bring Company 10 and Company 11 to the standard that has been achieved in all other fire stations in the city, and will not be able to modernize its central dispatch facilities or provide dedicated space for its Fire Marshalls or cadet training. All of which will continue to deteriorate.

- What efforts have you employed to generate funds for the construction? Describe the number and types of events.

The impact of the current economic situation on the tax base does not make it possible to ask the public to support any of these projects. Community block grant funds are used for other projects and there are few grants that will pay for these kinds of capital improvements. Outside of bond measures, no fundraising events have been undertaken on behalf of the Company 10 renovation, the Company 11 renovation, or the building of the Public Safety Complex. In the current climate, corporate donation or sponsorship is not practical.

- How long have the efforts to generate funds for the new station been ongoing?

Hartford began seeking funds to renovate Company 10 and Company 11 in 2001 as part of an overall renovation of fire stations and facilities. Unfortunately, the funding was not sufficient to reach Company 10 and 11 nor will resources be available in the immediate future. Hartford has now turned to other potential sources to support one or both station renovations.

Authorization to build a new Public Safety Complex occurred in November 2000 when the citizens of Hartford passed the referendum endorsing the original \$40 million bond request. Planning for the construction of the Public Safety Complex began five years ago, at which time Hartford City Council approved allocating \$77 million in bonds as requested by the Mayor. This amount is not sufficient to complete the project.

- Have you applied for or obtained other grants or sources of funding? Have your fund-raising efforts been unsuccessful or declining?

Given available resources, fundraising efforts have focused on bond issues, which have been approved at a lower dollar level than needed. Other grants have not been applied for in the case of the two renovation projects.

The City of Hartford has been awarded two technology grants from United States Department of Justice, COPS Office, to fund the purchase of technology that will be used in the new Public Safety Complex. However, the grants, like many federal and state programs, prohibit the funds from being used for construction, thus the necessity to pursue alternative funding.

- Have you obtained but lost partial grants due to inability to fund an entire project?

The City of Hartford has not obtained or lost partial grants for any projects.

- Describe your local community's economic situation, including unemployment and poverty levels.

Hartford is a city of 125,000 which has experienced ongoing economic challenges, which have been exacerbated during the current recession. Hartford's urban core is ranked as the fourth poorest economy in the nation. In December 2008, unemployment stood at 6.7 percent, as compared to 4.5 percent statewide. This is a significant increase from the December 2007 Hartford figure of 4.7 percent, which as of May 2009 had increased to 7.9 percent. The median household income in Hartford is \$27,654, while statewide that figure is \$65,967. The number of residents living in poverty in 2007 was 31.2 percent, including 12.9 percent who were living below 50

percent of the poverty level. Hartford scores 661.8 on the City-data.com crime index, more than double the U.S. average of 320.9. In 2007, arson accounted for 107 of those crimes, up from 87 the year before.

3) Cost/Benefit:

- How will your firefighters be safer with the new station (if applicable)?

In the case of both the Company 10 and Company 11 renovation projects, creating safer, more user-friendly work, common and sleeping spaces will contribute greatly to the physical comfort of firefighters, allowing them to be well-rested and perform their job duties better. Asbestos abatement and elimination of leaks, cracks and flooding and the accompanying dampness have clear health benefits. Replacing the heating/cooling system will counteract nature and incident-related issues surrounding overly cool or hot bodily temperatures. It will also alleviate the possibility that a carbon monoxide leak could cause a significant health hazard. Early retirement because of health issues would be a minimum of 50% of salary and go up depending on years of service. The cost of replacing a firefighter is at least \$17,100 for the 14 weeks of training and materials that are currently required (clothing, turnout gear, salary, books, fireground materials, etc.).

The Public Safety Complex will significantly benefit the safety of firefighters in multiple ways: Increasing the capacity of a two-staged dispatch center improves efficiency, this will directly assist fire dispatch operations resulting in dramatically improved response times and helping to ensure the required number of firefighters arrive at an incident; training space dedicated solely to cadets will improve their level of training and subsequent on the job performance; and, the relocation of the Fire Marshal's to a fully-operational space in a dedicated office will provide greater opportunity to prevent incidents from occurring in the first place. The full integration of emergency services will result in true interoperability, and enhance the Department's ability to provide mutual aid. The risk of it not being completed because of a lack of funding is very real in the current budget climate.

- How will the new/modified station improve your response capabilities? Do you have the ability to expand service from new structure?

Since both Company 10 and 11 were built in 1960, neither has a modern heating/cooling system, which is not only vital to the comfort and safety of the firefighters, but also would cause a major disruption in service if the current antiquated systems were to break down. Facility closure for repair work would cause extended response times as companies from further away would be called in, which in turn increases the risk of greater damage to life and property.

The Public Safety Complex will house Hartford's E-911 Answering and Dispatch Center, which will consist of 22 dispatch positions compared to 16 in the current facility (two dispatchers are exclusively assigned to fire operations). With the additional positions in place, response times will decrease. The PSAP will also provide backup dispatching services to the surrounding municipalities, in the event of 911 system failures, power outages or computer system failures.

- Describe the possible consequences if the project is not funded.

If funding for any of these three projects is not made available through FEMA, bonds will have to be requested and voter approved, which particularly in the current economic climate is likely to cause severe delays.

- Describe the extent of the local contribution that will go toward the project.

The projects to renovate Company 10 and Company 11 were included in a \$6.3M local bond issue that has since been allocated to the partial renovation of eight other stations. No additional local funding has been identified at this time.

The project to complete the fire-related operations of the Public Safety Complex is outside the \$77 million bond allocation approved by the City Council for the entire project, of which \$22 million has issued so far.

- What types of incidents and/or expanded services that will be handled from the new structure?

Company 10 will continue to handle fire response, EMS first response but no transport, and to act as a fueling depot. No expansion of services is anticipated at this time.

Company 11 will continue to handle fire response, EMS first response but no transport, the State of Connecticut Region One Foam Unit, mutual aid, and dispatch of the mobile support unit to aid firefighters working extended and/or intense incidents. No expansion of services is anticipated at this time.

The Public Safety Complex will house multiple public safety agencies under one roof, allowing for intensive coordination. The dispatch center receives all wire-line and wireless 911 and routine calls for service and dispatches fire, police and emergency medical services, in addition, the PSAP will provide back-up dispatching services, something the current center cannot accommodate due to size limitations. The Fire Marshal will have expanded ability to prevent and investigate incidents and to provide information on these topics to the public.

- What "green" elements do you plan on incorporating into the station?

New heating and cooling systems will greatly increase the efficiency and function of both Company 10 and 11, far beyond the current levels. Replacing drafty windows with energy efficient ones and repairing leaky roofs and adding additional roof insulation will also assist in reduction of energy usage. Careful attention will be paid to new kitchen appliances in order to select the most green-friendly options available. Energy audits will be conducted prior to renovation startup by the company selected.

The Public Safety Complex will be powered by a natural gas fuel cell; all insulation will be green soy. Lighting will be energy-efficient including LED-lit exit signs. The entire facility will have a central rotary Uninterrupted Power Supply for continued up time with a combination of public utility, generator and fuel cell sources.

4) Effect on Daily Operations:

- Describe how this award will affect your department's daily operational effectiveness due to new proximity to population.

Projects to renovate Company 10 and Company 11 will not change their proximity to the populations they serve, but will reinforce the commitment of the department to remaining as a presence in those neighborhoods. The benefit of good community relations is that the department then gets support and assistance from citizens when needed, whether on a daily or long-term basis. That makes everyone's job easier, which in turn increases daily operational effectiveness.

The Public Safety Complex will centralize all Hartford public safety agencies in one location, making them more easily accessible to the public. This will include the relocation of the Fire Marshal's offices, which will feature a conference area to be used for public briefings on fire prevention and incident investigation. The overall impact of the Public Safety Complex on daily operational effectiveness will be enormous – the coordination of police, fire, EMS, dispatch and a regional emergency operations center will create a safer Hartford. The fire department's role is that public safety will be enhanced by its ability to conduct cadet training, receive faster and more thorough emergency dispatches, and expand preventive and investigative services

- How would this award affect your department's ability to protect lives and property in your community?

Modernization of the fire houses will positively impact the community by underscoring the Fire Department's presence and commitment to protecting the lives and property therein. Failure to modernize could result in relocation, which would cause immediate danger to the neighborhoods the HFD is now serving through Companies 10 and 11.

The fire component of the Public Safety Complex will allow for improved dispatch quality and shorter response times, which benefits the entire Hartford community.

- What assurances can you provide that the new station will be staffed/equipped so fire suppression services are not compromised (not stretched too thin to benefit the community)?

Current staffing and equipment levels at Company 10 and Company 11 will remain the same and have been budgeted.

The Public Safety Complex will house existing personnel, with the exception of six additional dispatchers, which have been budgeted.

- How will the new structure enhance your department's ability to provide mutual aid?

Company 10 does not currently provide mutual aid outside of the Hartford city jurisdiction, but it does serve as one of three fueling depots. If it were to shut down because of safety issues surrounding its current state, services throughout Hartford would be disrupted.

Company 11 provides mutual aid through operating the Region One Foam Unit, which serves Hartford County and is available regionally if needed. If it were to shut down due to safety issues surrounding its current state, this unit would have to be relocated. Also, the mobile support unit operated by Company 11 serves the entire Hartford Fire Department and would have to be relocated in the event of a safety-related shutdown.

The Dispatch Center within the Public Safety Complex will provide mutual aid by serving as backup to the surrounding communities. In the event phone service is lost during an emergency, calls are automatically rerouted to the Public Safety complex to perform dispatch for those communities. The existing dispatch facility will be maintained to serve as additional backup.

Assurances and Certifications

Form SF-424D

You must read and sign these assurances. These documents contain the Federal requirements attached to all Federal grants including the right of the Federal government to review the grant activity. You should read over the documents to become aware of the requirements. The Assurances and Certifications must be read, signed, and submitted as a part of the application.

Note: Fields marked with an * are required.

Assurances for Construction Programs

Note: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure nondiscrimination during the useful life of the project.
4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progressive reports and such other information as may be required by the assistance awarding agency or State.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards of merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
10. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education

Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
13. Will comply, as applicable, with the provisions of the Davis- Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327- 333) regarding labor standards for federally-assisted construction subagreements.
14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91- 190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq).
18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
19. Will comply with all applicable requirements of all other Federal laws, executive orders,

regulations, and policies governing this program.

Signed by **Charles Teale, Sr.** on **07/09/2009**

Form SF-424B**You must read and sign these assurances.**

Certifications Regarding Lobbying, Debarment, Suspension and Other Responsibility Matters and Drug-Free Workplace Requirements.

Note: Fields marked with an * are required.

Applicants should refer to the regulations cited below to determine the certification to which they are required to attest. Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 44 CFR Part 18, "New Restrictions on Lobbying; and 44 CFR Part 17, "Government-wide Debarment and Suspension (Non-procurement) and Government-wide Requirements for Drug-Free Workplace (Grants)." The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Homeland Security (DHS) determines to award the covered transaction, grant, or cooperative agreement.

1. LOBBYING

A. As required by the section 1352, Title 31 of the US Code, and implemented at 44 CFR Part 18 for persons (entering) into a grant or cooperative agreement over \$100,000, as defined at 44CFR Part 18, the applicant certifies that:

(a) No Federal appropriated funds have been paid or will be paid by or on behalf of the undersigned to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into of any cooperative agreement and extension, continuation, renewal amendment or modification of any Federal grant or cooperative agreement.

(b) If any other funds than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying Activities", in accordance with its instructions.

(c) The undersigned shall require that the language of this certification be included in the award documents for all the sub awards at all tiers (including sub grants, contracts under grants and cooperative agreements and sub contract(s)) and that all sub recipients shall certify and disclose accordingly.

2. Debarment, Suspension and Other Responsibility Matters (Direct Recipient)

A. As required by Executive Order 12549, Debarment and Suspension, and implemented at 44CFR Part 67, for prospective participants in primary covered transactions, as defined at 44 CFR Part 17, Section 17.510-A, the applicant certifies that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency.

(b) Have not within a three-year period preceding this application been convicted of or had a civilian judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or perform a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.

(c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity

(Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification: and

(d) Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default; and

B. Where the applicant is unable to certify to any of the statements in this certification, he or she shall attach an explanation to this application.

3. Drug-Free Workplace (Grantees other than individuals)

As required by the Drug-Free Workplace Act of 1988, and implemented at 44CFR Part 17, Subpart F, for grantees, as defined at 44 CFR part 17, Sections 17.615 and 17.620:

(A) The applicant certifies that it will continue to provide a drug-free workplace by:

(a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;

(b) Establishing an on-going drug free awareness program to inform employees about:

- (1) The dangers of drug abuse in the workplace;
- (2) The grantees policy of maintaining a drug-free workplace;
- (3) Any available drug counseling, rehabilitation and employee assistance programs; and
- (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;

(c) Making it a requirement that each employee to be engaged in the performance of the grant to be given a copy of the statement required by paragraph (a);

(d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will:

- (1) Abide by the terms of the statement and
- (2) Notify the employee in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction.

(e) Notifying the agency, in writing within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to the applicable DHS awarding office, i.e. regional office or DHS office.

(f) Taking one of the following actions, against such an employee, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted:

- (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
- (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement or other appropriate agency.

(g) Making a good faith effort to continue to maintain a drug free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

(B) The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance				
Street	City	State	Zip	Action

If your place of performance is different from the physical address provided by you in the Applicant Information, press *Add Place of Performance* button above to ensure that the correct place of performance has been specified. You can add multiple addresses by repeating this process multiple times.

Section 17.630 of the regulations provide that a grantee that is a State may elect to make one certification in each Federal fiscal year. A copy of which should be included with each application for DHS funding. States and State agencies may elect to use a Statewide certification.

Signed by **Charles Teale, Sr.** on **07/09/2009**

FEMA Standard Form LLL

Complete only if applying for a grant for more then \$100,000 and have lobbying activities using Non-Federal funds.

If this lobbying form is not applicable, check "this form is not Applicable."

This form is not applicable